

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated hereafter (where underlining “_” denotes additions and strikethrough “-” denotes deletions).

Claims:

1. (Currently Amended) A remote, self-contained communications antenna apparatus for establishing wireless communications, comprising:

- (a) ~~a vehicle; and~~
- (b) ~~attached to said vehicle,~~ equipment for
 - (i) transceiving communication signals between said equipment and a disconnected cell site that has been disconnected from its cellular system, and
 - (ii) transceiving communication signals between said equipment and a communications network ; and
a mast for extending and collapsing an antenna.

2. (Previously Presented) The apparatus of claim 37, wherein said wireless communication signals between said equipment and said disconnected cell site are transceived at 806-960 MHz.

3. (Previously Presented) The apparatus of claim 37, wherein said wireless communication signals between said equipment and said disconnected cell site are transceived at 1710-1855 MHz.

4. (Previously Presented) The apparatus of claim 37, wherein said wireless communication signals between said equipment and said disconnected cell site are transceived at 2500-2690 MHz.

5. (Previously Presented) The apparatus of claim 37, wherein said wireless communication signals between said equipment and said disconnected cell site are transceived at 2.4-2.5 GHz.

6. (Previously Presented) The apparatus of claim 1, wherein said communication signals between said equipment and said disconnected cell site are for wireless paging devices.

7. (Previously Presented) The apparatus of claim 1, wherein said communication signals between said equipment and said disconnected cell site are for digital processing devices.

8. (Previously Presented) The apparatus of claim 1, wherein said wireless communication signals between said equipment and said disconnected cell site comprise any frequency signal in the electromagnetic spectrum.

9. (Previously Presented) The apparatus of claim 38, wherein said wireless communication signals between said equipment and said communications network are transceived at 806-960 MHz.

10. (Previously Presented) The apparatus of claim 38, wherein said wireless communication signals between said equipment and said communications network are transceived at 1710-1855 MHz.

11. (Previously Presented) The apparatus of claim 38, wherein said wireless communication signals between said equipment and said communications network are transceived at 2500-2690 MHz.

12. (Previously Presented) The apparatus of claim 38, wherein said wireless communication signals between said equipment and said communications network are transceived at 2.4-2.5 GHz.

13. (Previously Presented) The apparatus of claim 38, wherein said wireless communication signals between said equipment and said communications network comprise any frequency signal in the electromagnetic spectrum.

14. (Original) The apparatus of claim 1, wherein said communications network comprises a celestial communications network.

15. (Original) The apparatus of claim 1, wherein said communications network comprises a terrestrial communications network.

16. (Currently Amended) The apparatus of claim 1, wherein said disconnected cell site transceives wireless communication signals with a wireless device; and

wherein said equipment comprises:

a power source for providing power to said remote, self-contained

communications antenna apparatus;

a backup power source for providing backup power to said remote, self-

contained communications antenna apparatus;

a charging source for

charging said power source, and

charging said backup power source;

transceiving equipment for

transmitting and receiving said communication signals between said

equipment and said disconnected cell site, and

transmitting and receiving said communication signals between said

equipment and said communications network;

network interface equipment for

processing said communication signals between said equipment and

said disconnected cell site, and

processing said communication signals between said equipment and
said communications network;

a control unit for

managing said communication signals between said equipment and
said disconnected cell site, and

managing said communication signals between said equipment and
said communications network;

a data storage unit for storing data associated with

said communication signals between said equipment and said
disconnected cell site, and

said communication signals between said equipment and said
communications network;

environmental control equipment for controlling temperature; and

stabilizing equipment to secure and balance the attachment of said equipment
to a vehicle;

wherein said control unit comprises a personal computer;

said vehicle comprises a trailer;

said vehicle is motorized;

said charging source charges said vehicle;

said mast comprises an extendible mast;

said signal processor comprises a digital signal processor

said power source comprises a gasoline-powered generator;

said backup power source is a solar-powered generator; and

said network interface equipment communicates with a customer service unit
of said disconnected cell site using wireless communications.

17. (Original) The apparatus of claim 16, wherein said wireless device comprises at least one of the following:

- (a) a phone;
- (b) a computer;
- (c) a modem;
- (d) a pager;
- (e) a personal data assistant;
- (f) a global positioning system receiver; and
- (g) an interactive television.

18. (Currently Amended) The apparatus of claim 1, wherein said equipment comprises one or more of the following:

- (a) a power source for providing power to said remote, self-contained communications antenna apparatus;
- (b) a backup power source for providing backup power to said remote, self-contained communications antenna apparatus;
- (c) a charging source for
 - (i) charging said power source, and
 - (ii) charging said backup power source;
- (d) transceiving equipment for
 - (i) transmitting and receiving said communication signals between said equipment and said disconnected cell site, and
 - (ii) transmitting and receiving said communication signals between said equipment and said communications network;
- (e) network interface equipment for
 - (i) processing said communication signals between said equipment and said disconnected cell site, and

- (ii) processing said communication signals between said equipment and said communications network;
- (f) a control unit for
 - (i) managing said communication signals between said equipment and said disconnected cell site, and
 - (ii) managing said communication signals between said equipment and said communications network;
- (g) a data storage unit for storing data associated with
 - (i) said communication signals between said equipment and said disconnected cell site, and
 - (ii) said communication signals between said equipment and said communications network;
- (h) ~~a mast for extending and collapsing an antenna of said transceiving equipment;~~
 - (i) environmental control equipment for controlling temperature; and
 - (j) stabilizing equipment to secure and balance ~~the attachment of said equipment to said vehicle.~~

19. (Original) The apparatus of claim 18, wherein said control unit comprises a personal computer.

20. (Currently Amended) The apparatus of claim 1 ~~18~~, wherein said equipment is attached to a vehicle ~~comprises a non-motorized vehicle.~~

21. (Currently Amended) The apparatus of claim 20, wherein said ~~motorized~~ vehicle comprises a trailer.

22. (Currently Amended) The apparatus of claim 20 ~~18~~, wherein said vehicle comprises a motorized vehicle.

23. (Original) The apparatus of claim 22, wherein said charging source further charges said motorized vehicle.

24. (Original) The apparatus of claim 18, wherein said mast comprises an extendible mast.

25. (Original) The apparatus of claim 18, wherein said signal processor comprises a digital signal processor.

26. (Original) The apparatus of claim 18, wherein said signal processor comprises an analog signal processor.

27. (Original) The apparatus of claim 18, wherein said power source comprises at least one of the following:

- (a) a gasoline-powered generator;
- (b) a solar-powered generator; and
- (c) an electrical-powered generator.

28. (Original) The apparatus of claim 18, wherein said network interface unit communicates with a customer service unit of said disconnected cell site using wireless communications.

29. (Original) The apparatus of claim 18, wherein said network interface unit communicates with a customer service unit of said disconnected cell site using a wired medium.

30. (Currently Amended) A remote, self-contained communications antenna apparatus for establishing wireless communications, comprising:

- (a) ~~a vehicle; and~~
- (b) ~~attached to said vehicle,~~ equipment for
 - (i) transceiving communication signals between said equipment and a system of cellular devices that use a standard setup channel and frequency coordination, and
 - (ii) transceiving communication signals between said equipment and a communications network; and
a mast for extending and collapsing an antenna.

31. (Previously Presented) The apparatus of claim 30, wherein said system of cellular device includes at least one of the following:

- (a) a phone;
- (b) a computer;
- (c) a modem;
- (d) a pager;
- (e) a personal data assistant;
- (f) a global positioning system receiver; and
- (g) an interactive television.

32. (Canceled).

33. (Canceled).

34. (Canceled).

35. (Currently Amended) A method for establishing wireless communications, comprising:

(a) transceiving wireless communication signals between a wireless device and a disconnected cell site that has been disconnected from its cellular system; and

(b) transceiving communication signals between said disconnected cell site and a remote, self-contained communications antenna apparatus with a mast for extending and collapsing an antenna; and

(c) transceiving communication signals between said remote, self-contained communications antenna apparatus and a communications network.

36. (Currently Amended) A method for establishing wireless communication, comprising:

(a) transceiving communication signals between a remote, self-contained communications antenna apparatus with a mast for extending and collapsing an antenna and a system of cellular devices that use a standard setup channel and frequency coordination; and

(b) transceiving communication signals between said cellular system and a communications network.

37. (Previously Presented) The apparatus of claim 1, wherein the communication signals between said equipment and said disconnected cell site are signals of wireless communications.

38. (Previously Presented) The apparatus of claim 1, wherein the communication signals between said equipment and said communication network are signals of wireless communications.